



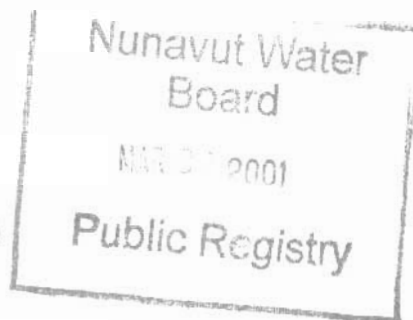
Environment  
Canada

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Environmental Protection Branch  
Suite 301, 5204 - 50<sup>th</sup> Avenue  
Yellowknife, NT X1A 1E2  
tel: (867) 669-4700

March 8, 2001

Licensing Administrator  
Nunavut Water Board (NWB)  
P.O. Box 119  
Gjoa Haven, NT X0E 1J0.



Our File: 4703 000

Attention: Rita Becker

**Re: NWB Water Permit Application NWB2FER9901 - Starfield Resources Inc. - Exploratory Drilling Program - Ferguson Lake, Kivalliq Region, NU.**

Environment Canada's contribution to your request for specialist advice is based primarily on the mandated responsibilities for the enforcement of Section 36(3) of the *Fisheries Act*, the *Canadian Environmental Protection Act* (CEPA) and the *Migratory Birds Convention Act* (MBCA). On the basis of the information provided, EPB believes that the above noted project has the potential to affect fish pursuant to the *Fisheries Act*. It is a requirement of Section 36 of the *Fisheries Act* that all effluent discharge into water frequented by fish be non-deleterious.

#### Comments and Recommendations

- The proponent shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter waters frequented by fish. Portable secondary fuel containment structures should be used in the fuel storage for added spill protection.
- Drilling wastes from land-based drilling shall be disposed of in a sump such that they do not enter any waterbody.
- The deposition of slash, debris or sediment into any waterbody is prohibited. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
- If an artesian flow is encountered, core-drill holes shall be plugged and permanently sealed upon project termination. Poor quality ground water from one aquifer may contaminate another or in some cases flowing conditions at the surface can create large washouts or quicksand conditions.
- EPB should be notified of changes in the proposed or permitted activities associated with this water licence application.

Please do not hesitate to contact me at (867) 669-4736 or [wade.romanko@ec.gc.ca](mailto:wade.romanko@ec.gc.ca) with any questions or comments with regards to the foregoing.

Yours truly,

Wade Romanko  
Aquatic Environmental Officer

**Canada**

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